

0. MIPAS Daily Report for level 0 products

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0.1 General Info

This report contains a daily analysis on parameters extracted from MIPAS level 0 data (The MIP_NL__0P product).

0.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.6 08-11-2010
Time of report generation	16OCT2011 05:20:10
Data source version	KSPT_L0/4504-N
Processing scope for products	11OCT2011 00:00:00 to 12OCT2011 00:00:00
Start time of first product within scope	11OCT2011 00:11:49
Stop time of last product within scope	12OCT2011 01:16:46
Total number of level 0 products	15
Number of level 0 products with errors	0

0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20111011_001149_000060043107_00260_50274_9813.N1	11OCT2011 00:11:49	11OCT2011 01:51:53	0	0	0	0	0
1	MIP_NL__0PNPDE20111011_015044_000044433107_00261_50275_9814.N1	11OCT2011 01:50:44	11OCT2011 03:04:48	0	0	0	0	0
2	MIP_NL__0PNPDE20111011_030414_000061153107_00262_50276_9815.N1	11OCT2011 03:04:14	11OCT2011 04:46:09	0	0	0	0	0
3	MIP_NL__0PNPDE20111011_044536_000060563107_00263_50277_9816.N1	11OCT2011 04:45:36	11OCT2011 06:26:32	0	0	0	0	0
4	MIP_NL__0PNPDK20111011_062558_000041113107_00264_50278_7267.N1	11OCT2011 06:25:58	11OCT2011 07:34:29	0	0	0	0	0
5	MIP_NL__0PNPDK20111011_091405_000059543107_00266_50280_7269.N1	11OCT2011 09:14:05	11OCT2011 10:53:19	0	0	0	0	0
6	MIP_NL__0PNPDK20111011_105140_000061063107_00267_50281_7270.N1	11OCT2011 10:51:40	11OCT2011 12:33:27	0	0	0	0	0
7	MIP_NL__0PNPDK20111011_123149_000059203107_00268_50282_7271.N1	11OCT2011 12:31:49	11OCT2011 14:10:29	0	0	0	0	0
8	MIP_NL__0PNPDK20111011_140847_000059313107_00269_50283_7272.N1	11OCT2011 14:08:47	11OCT2011 15:47:37	0	0	0	0	0
9	MIP_NL__0PNPDK20111011_154605_000059683107_00270_50284_7273.N1	11OCT2011 15:46:05	11OCT2011 17:25:34	0	0	0	0	0
10	MIP_NL__0PNPDK20111011_172439_000059723107_00271_50285_7274.N1	11OCT2011 17:24:39	11OCT2011 19:04:12	0	0	0	0	0
11	MIP_NL__0PNPDK20111011_190317_000061083107_00272_50286_7275.N1	11OCT2011 19:03:17	11OCT2011 20:45:06	0	0	0	0	0
12	MIP_NL__0PNPDE20111011_204420_000042743107_00273_50287_9817.N1	11OCT2011 20:44:20	11OCT2011 21:55:34	0	0	0	0	0
13	MIP_NL__0PNPDE20111011_215429_000060733107_00273_50287_9818.N1	11OCT2011 21:54:29	11OCT2011 23:35:42	0	0	0	0	0
14	MIP_NL__0PNPDE20111011_233437_000061293107_00274_50288_9819.N1	11OCT2011 23:34:37	12OCT2011 01:16:46	0	0	0	0	0

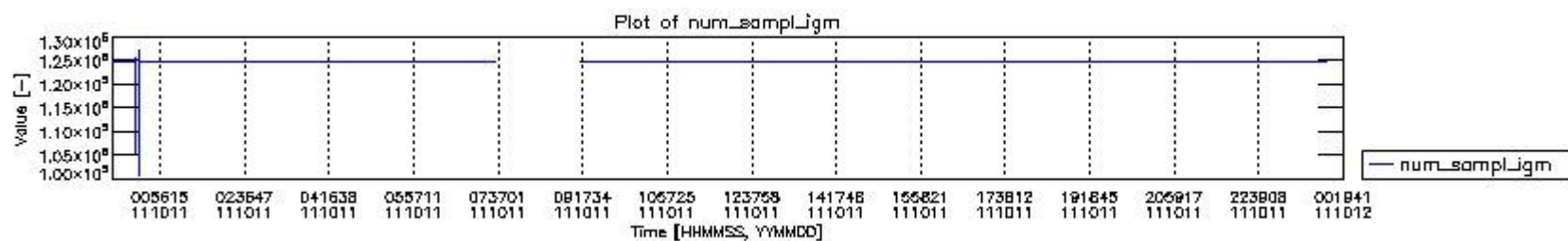
0.2 Instrument Operational Performance Parameters

The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

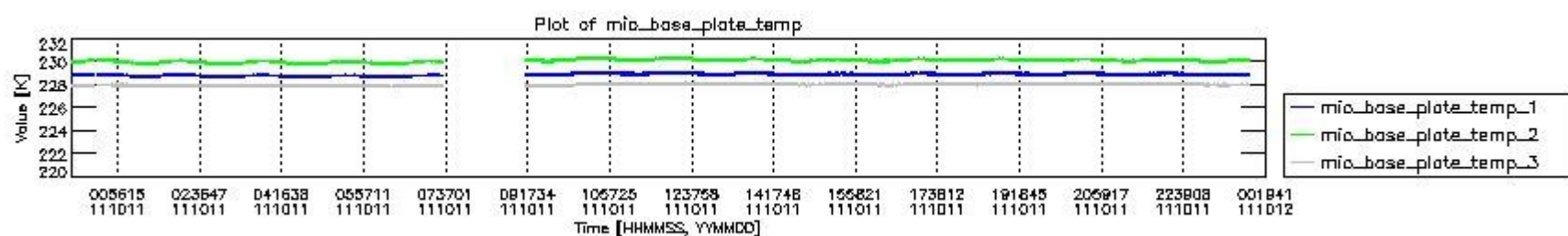
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100706	1	0.0025871882
105600	1	0.0025871882
106532	1	0.0025871882

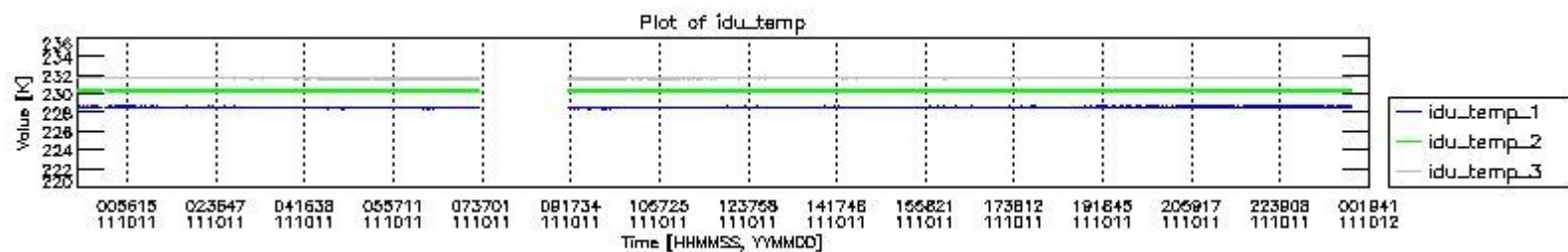
124800	36422	94.230570
124803	2224	5.7539067
125732	1	0.0025871882
125958	1	0.0025871882
127116	1	0.0025871882



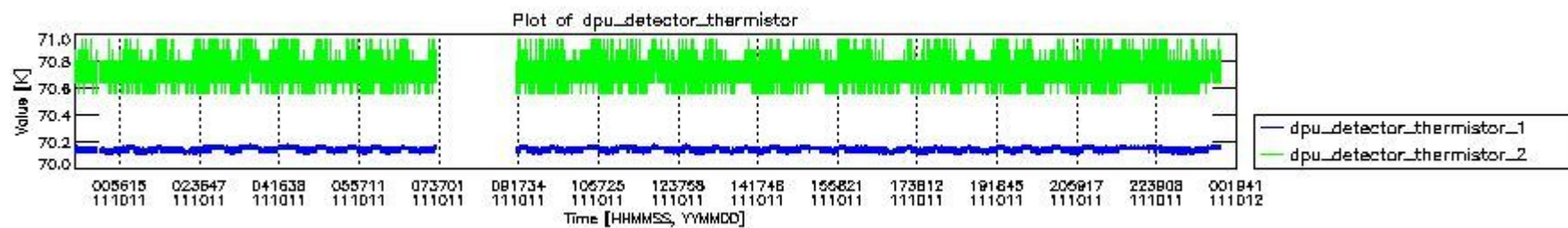
mipas_daily_report_level0_KSPT_L0_4504_N_20111011_0.PNG



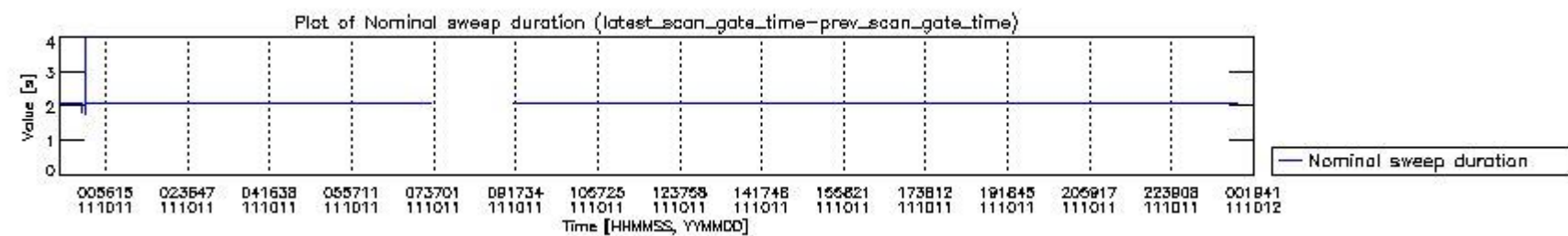
mipas_daily_report_level0_KSPT_L0_4504_N_20111011_1.PNG



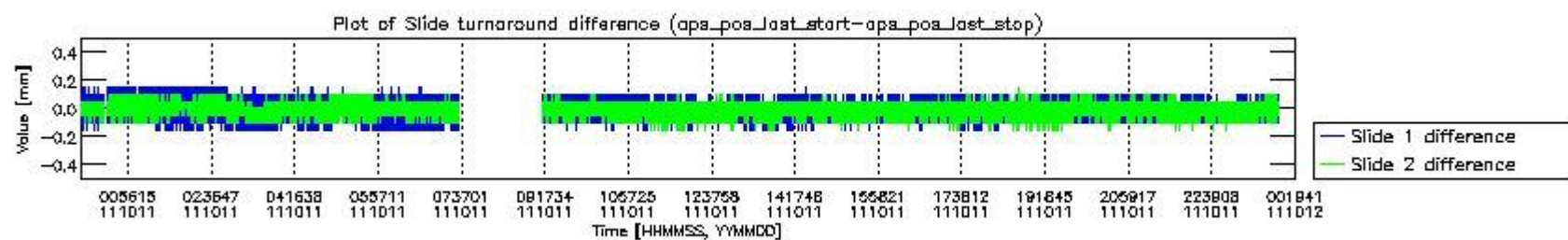
mipas_daily_report_level0_KSPT_L0_4504_N_20111011_2.PNG



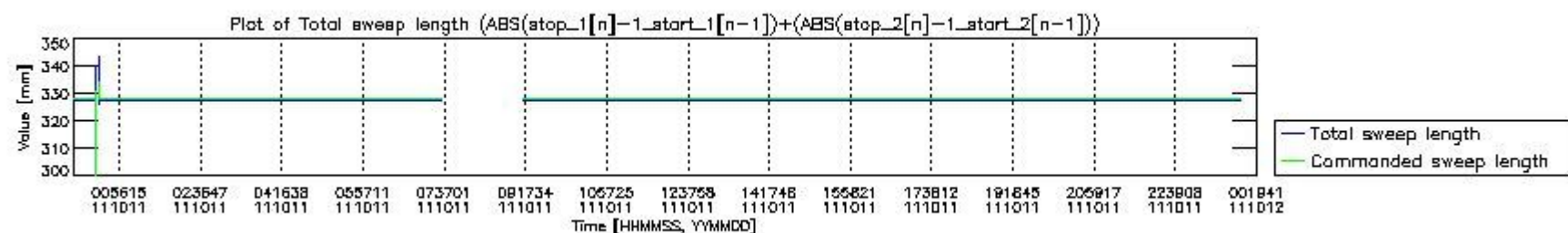
mipas_daily_report_level0_KSPT_L0_4504_N_20111011_3.PNG



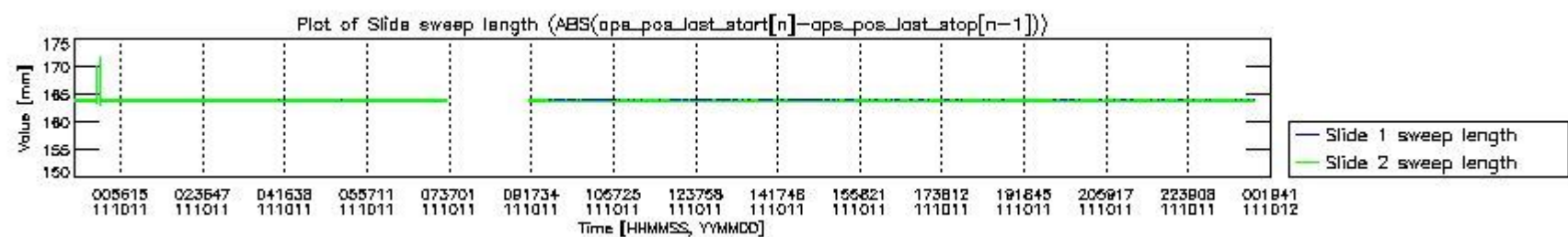
mipas_daily_report_level0_KSPT_L0_4504_N_20111011_4.PNG



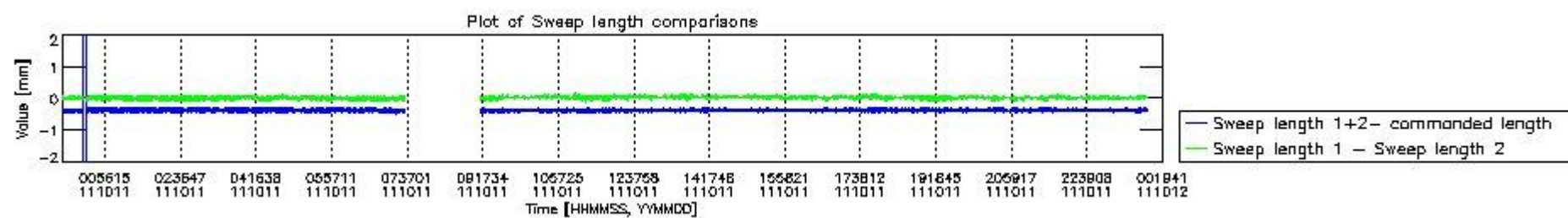
mipas_daily_report_level0_KSPT_L0_4504_N_20111011_5.PNG



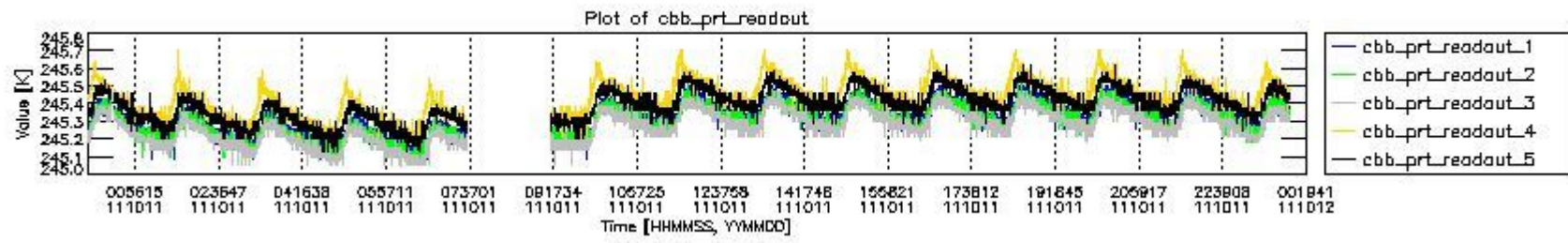
mipas_daily_report_level0_KSPT_L0_4504_N_20111011_6.PNG



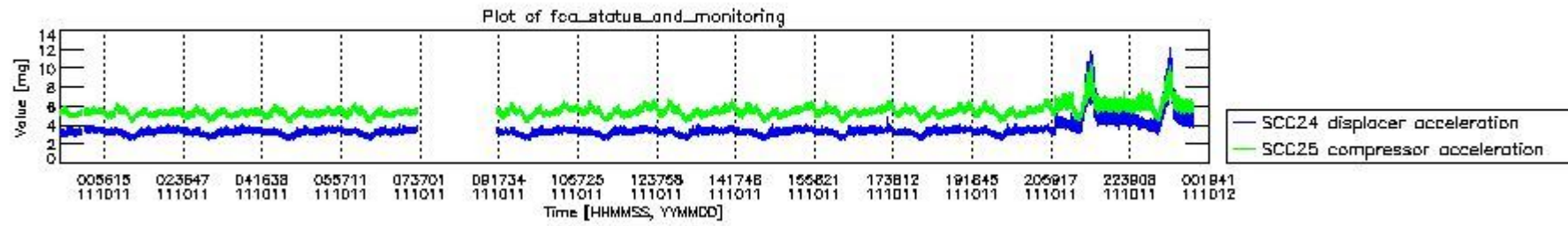
mipas_daily_report_level0_KSPT_L0_4504_N_20111011_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111011_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111011_9.PNG

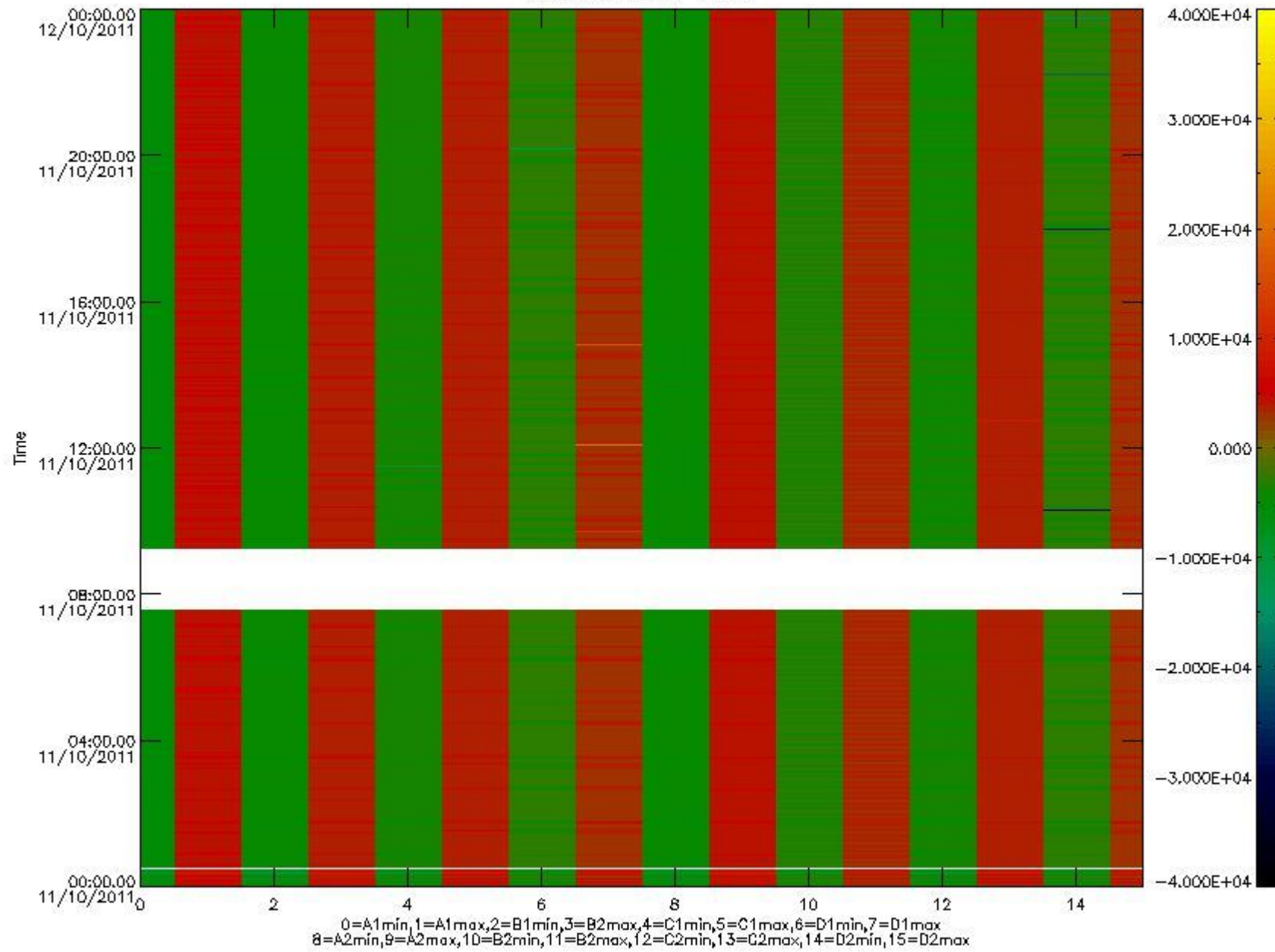


mipas_daily_report_level0_KSPT_L0_4504_N_20111011_10.PNG

The following table shows channel statistics for all channels for this day.

Channel	Min	Max	ADC
A1	-16342	17063	16bit
B1	-17043	15088	16bit
C1	-25209	19587	16bit
D1	-32768	32767	16bit
A2	-14059	16998	16bit
B2	-14707	14486	16bit
C2	-19955	20136	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20111011_11.PNG

0.3 ADF monitoring

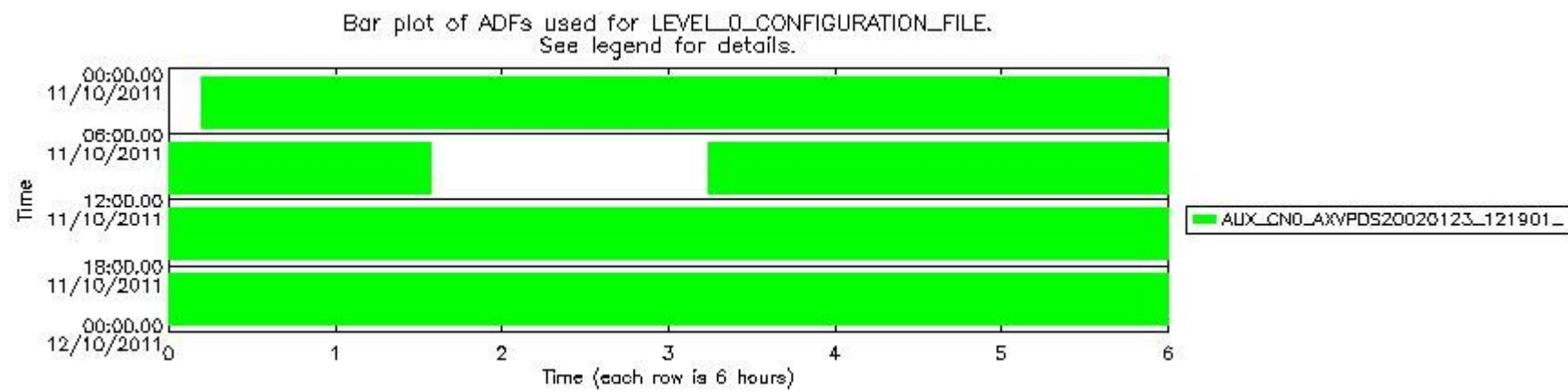
The use of ADFs is shown in two ways:

1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

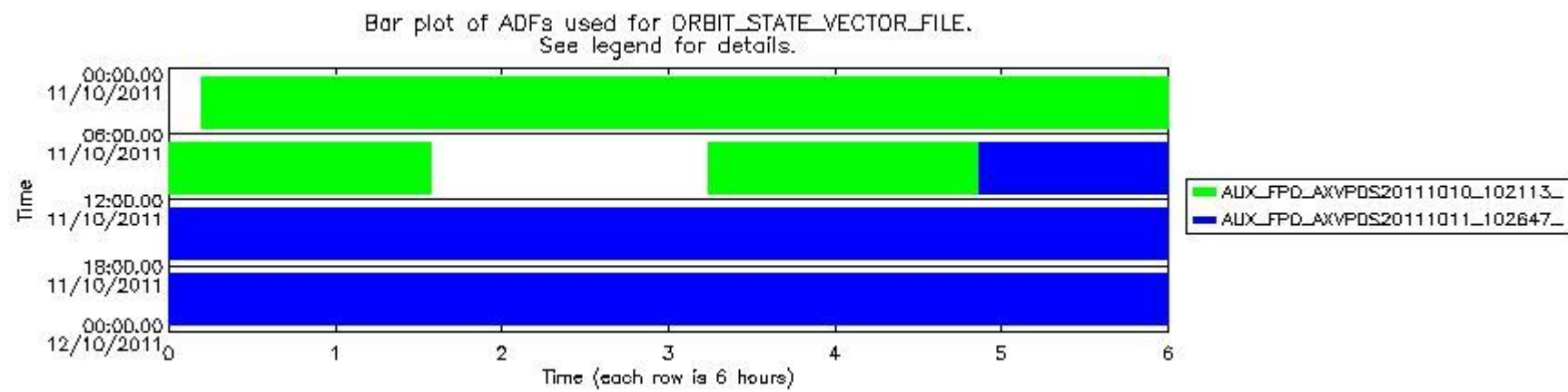
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111010_102113_20111009_182003_20111019_203347
2	AUX_FPO_AXVPDS20111011_102647_20111010_192333_20111020_213716

Number	Product name	#CN0	#FPO
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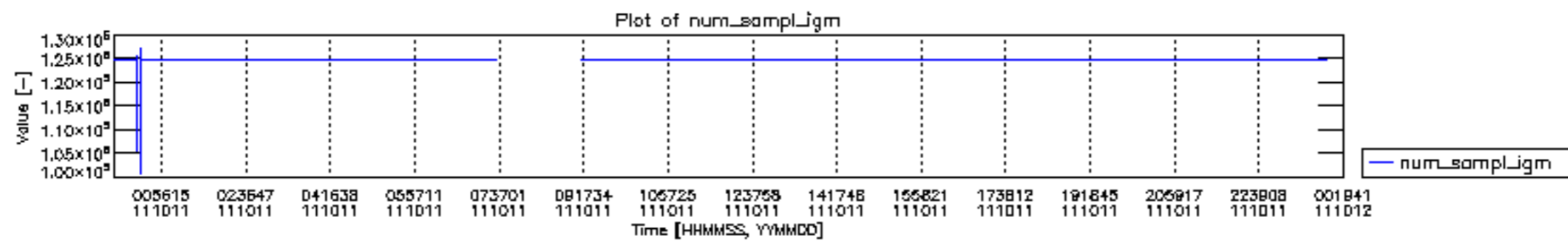
0	MIP_NL__0PNPDE20111011_001149_000060043107_00260_50274_9813.N1	0	1
1	MIP_NL__0PNPDE20111011_015044_000044433107_00261_50275_9814.N1	0	1
2	MIP_NL__0PNPDE20111011_030414_000061153107_00262_50276_9815.N1	0	1
3	MIP_NL__0PNPDE20111011_044536_000060563107_00263_50277_9816.N1	0	1
4	MIP_NL__0PNPDK20111011_062558_000041113107_00264_50278_7267.N1	0	1
5	MIP_NL__0PNPDK20111011_091405_000059543107_00266_50280_7269.N1	0	1
6	MIP_NL__0PNPDK20111011_105140_000061063107_00267_50281_7270.N1	0	2
7	MIP_NL__0PNPDK20111011_123149_000059203107_00268_50282_7271.N1	0	2
8	MIP_NL__0PNPDK20111011_140847_000059313107_00269_50283_7272.N1	0	2
9	MIP_NL__0PNPDK20111011_154605_000059683107_00270_50284_7273.N1	0	2
10	MIP_NL__0PNPDK20111011_172439_000059723107_00271_50285_7274.N1	0	2
11	MIP_NL__0PNPDK20111011_190317_000061083107_00272_50286_7275.N1	0	2
12	MIP_NL__0PNPDE20111011_204420_000042743107_00273_50287_9817.N1	0	2
13	MIP_NL__0PNPDE20111011_215429_000060733107_00273_50287_9818.N1	0	2
14	MIP_NL__0PNPDE20111011_233437_000061293107_00274_50288_9819.N1	0	2

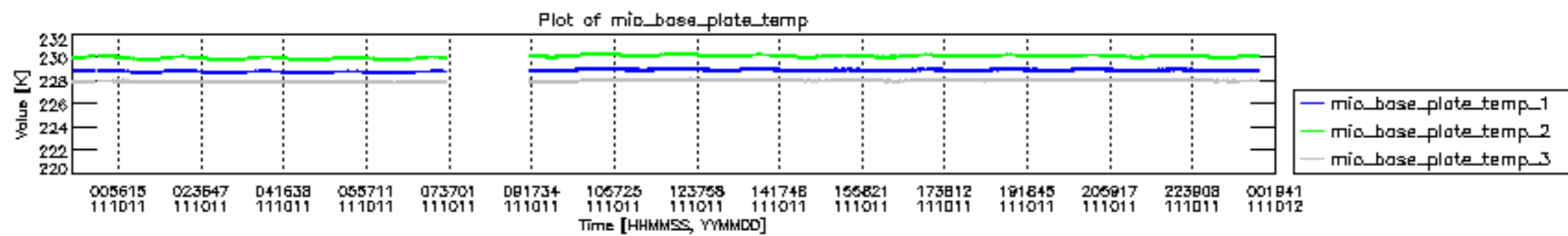


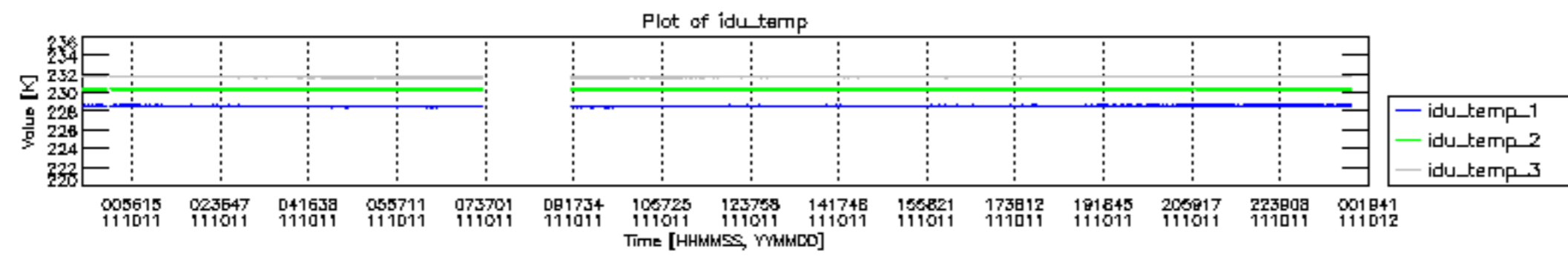
mipas_daily_report_level0_KSPT_L0_4504_N_20111011_12.PNG

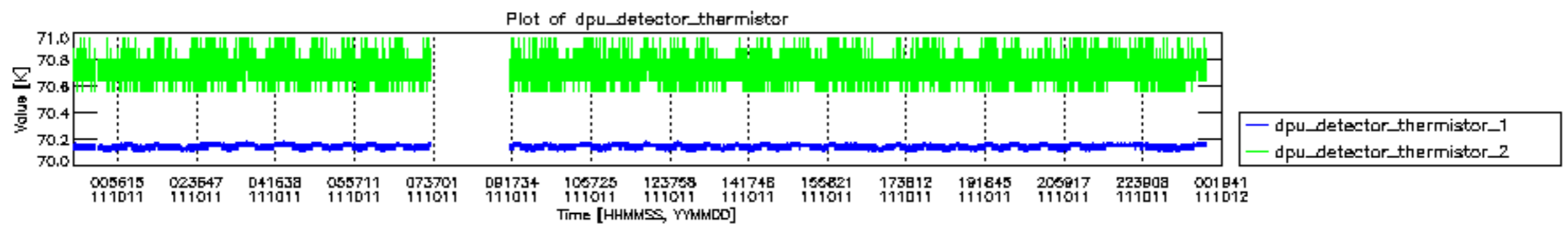


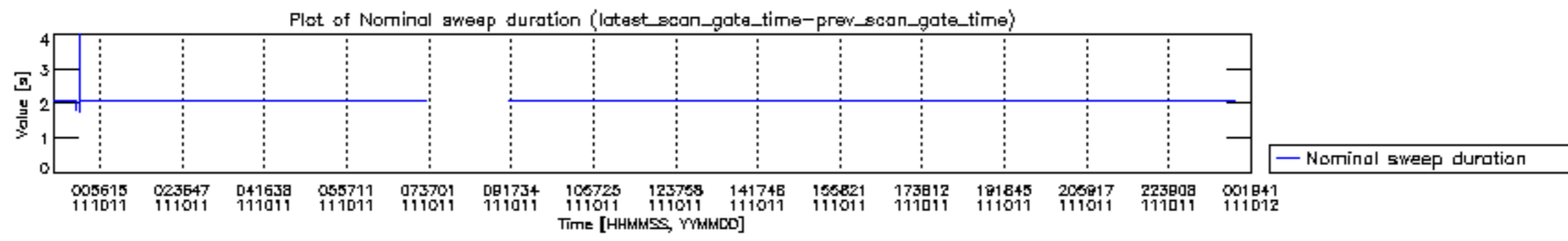
mipas_daily_report_level0_KSPT_L0_4504_N_20111011_13.PNG

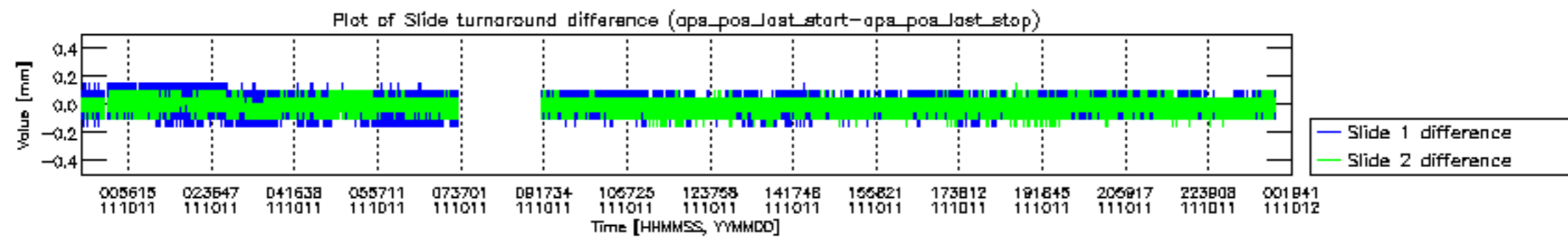


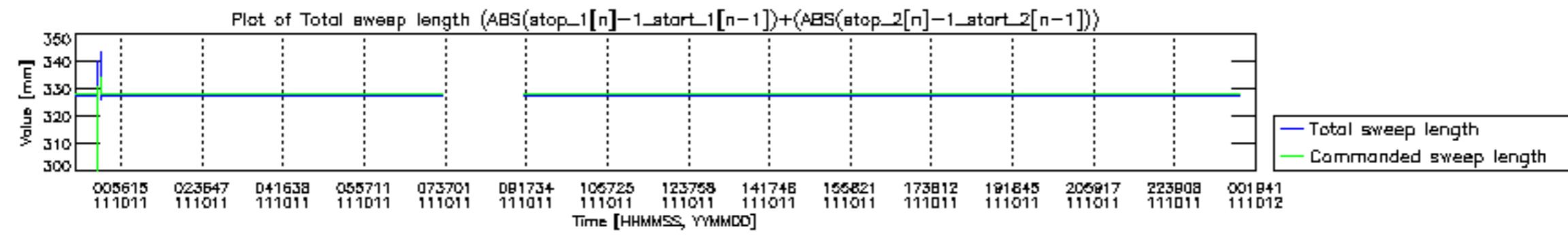


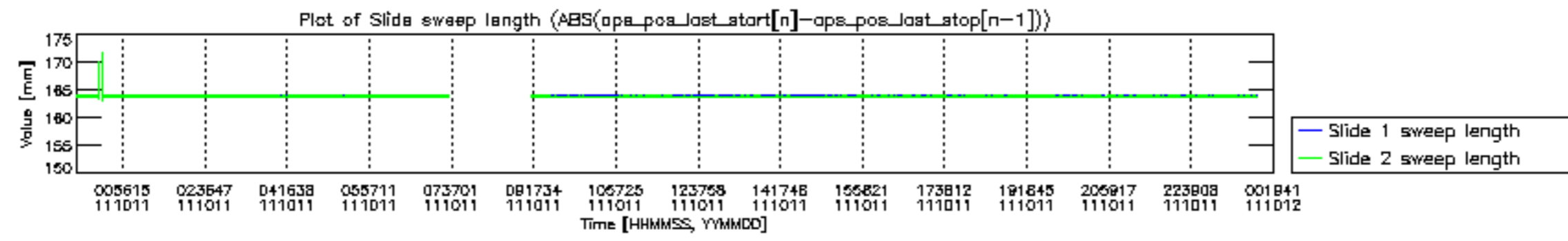


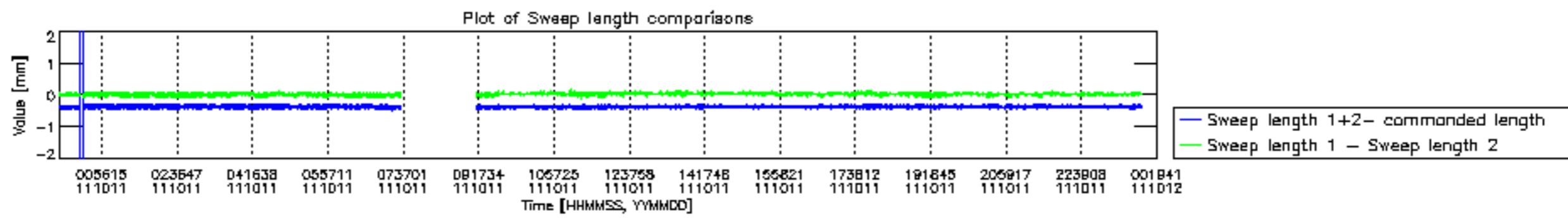


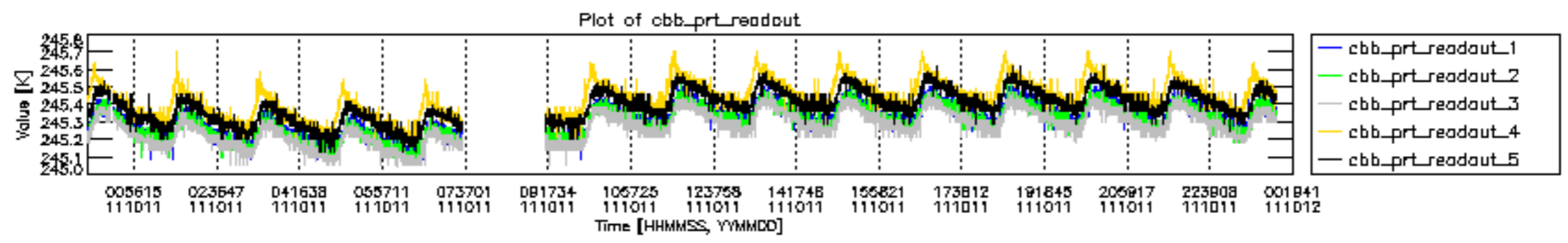


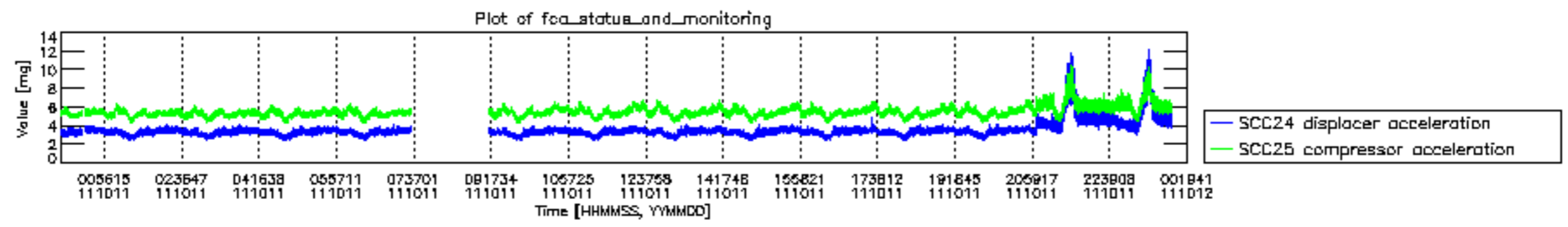












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

